

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062620\
 Data File : VN062145.D
 Acq On : 26 Jun 2020 17:26
 Operator : JC/MD
 Sample : L3127-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RB03-20200625

Quant Time: Jun 27 03:43:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	217306	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	406433	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	389503	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	145205	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	152854	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
35) Dibromofluoromethane	7.55	113	129689	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
50) Toluene-d8	10.06	98	509170	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	
62) 4-Bromofluorobenzene	12.38	95	165857	47.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.20%	

Target Compounds

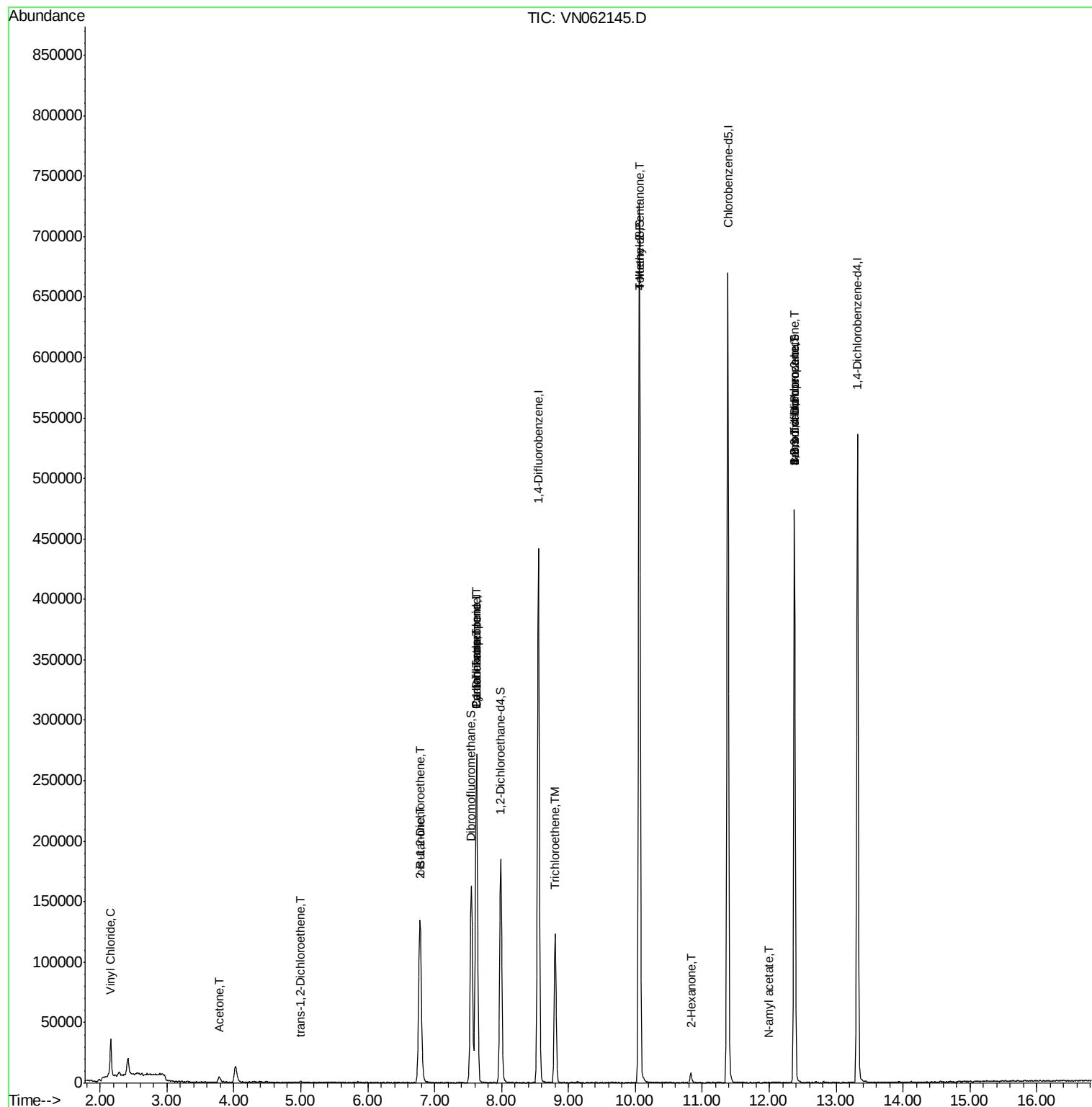
					Qvalue
3) Chloromethane	2.03	50	892	Below Cal	97
4) Vinyl Chloride	2.16	62	26689	6.900 ug/l	99
16) Acetone	3.78	43	7147	3.472 ug/l	89
20) Methylene Chloride	4.50	84	122	Below Cal #	55
21) trans-1,2-Dichloroethene	5.00	96	783	0.275 ug/l #	78
25) 2-Butanone	6.80	43	1340	0.899 ug/l #	9
27) cis-1,2-Dichloroethene	6.78	96	93997	29.387 ug/l	87
31) Cyclohexane	7.63	56	4762	1.130 ug/l #	9
36) 1,1-Dichloropropene	7.62	75	18422	4.509 ug/l #	48
38) Carbon Tetrachloride	7.63	117	21929	5.694 ug/l #	15
44) Trichloroethene	8.80	130	45704	14.551 ug/l	99
51) 4-Methyl-2-Pentanone	10.06	43	2365	0.734 ug/l #	1
59) 2-Hexanone	10.83	43	1754	0.754 ug/l #	21
71) Bromoform	12.38	173	1351	0.642 ug/l #	1
74) N-amyl acetate	12.00	43	65	3.358 ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	84786	24.804 ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	84786	72.437 ug/l #	13

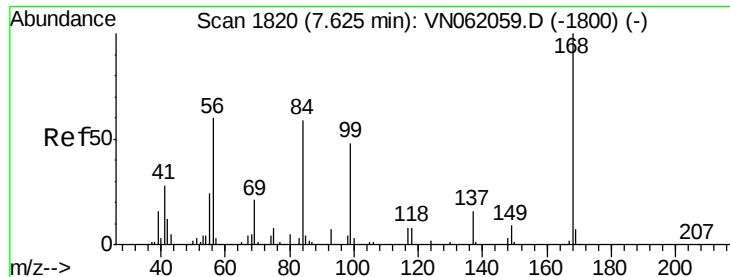
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062145.D

Acq: 26 Jun 2020 17:26

Instrument :

MSVOA_N

ClientSampleId :

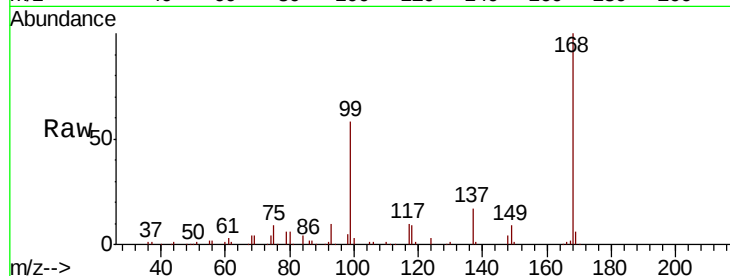
RB03-20200625

Tot Ion:168 Resp: 217306

Ion Ratio Lower Upper

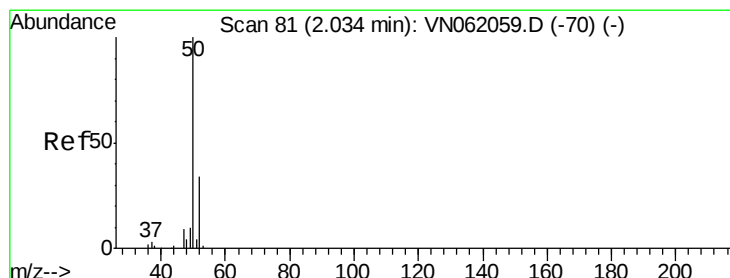
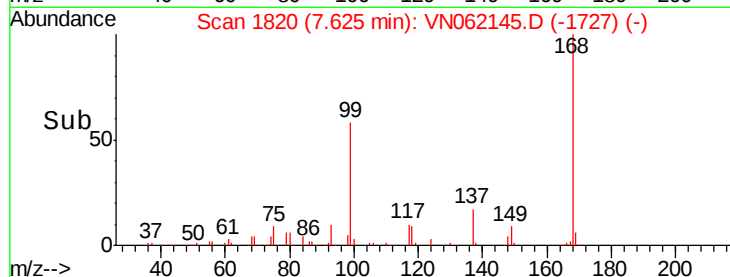
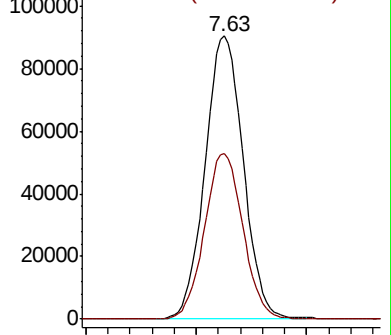
168 100

99 58.4 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062145.D

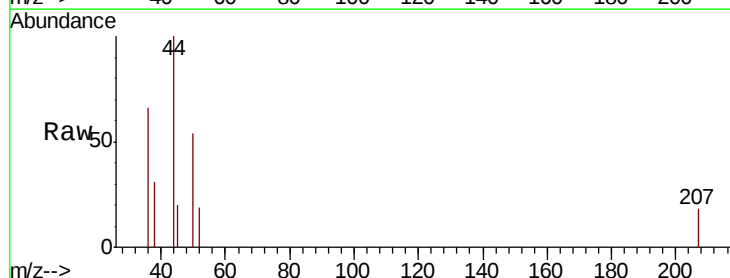
Acq: 26 Jun 2020 17:26

Tgt Ion: 50 Resp: 892

Ion Ratio Lower Upper

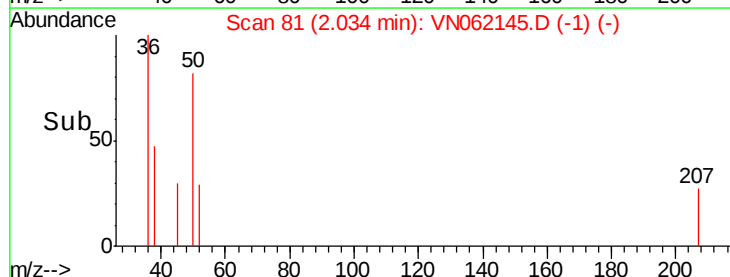
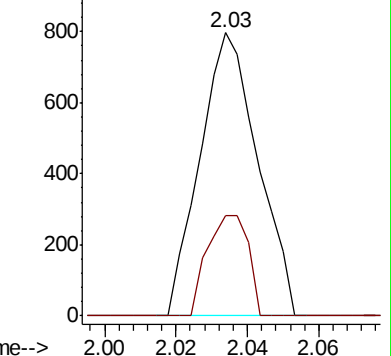
50 100

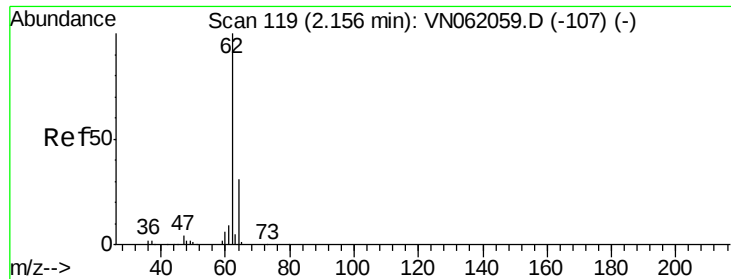
52 35.5 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN





#4

Vinyl Chloride

Concen: 6.900 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062145.D

Acq: 26 Jun 2020 17:26

Instrument :

MSVOA_N

ClientSampleId :

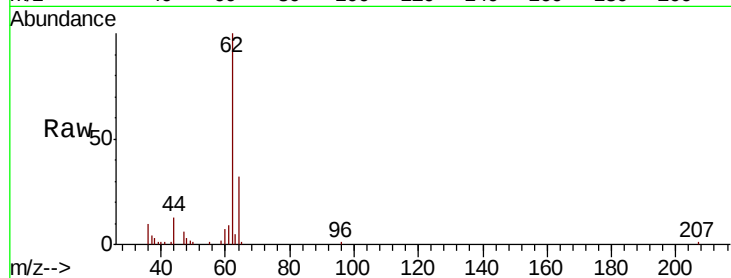
RB03-20200625

Tot Ion: 62 Resp: 26689

Ion Ratio Lower Upper

62 100

64 32.2 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VN062145.D (-107) (-)

Ion 63.90 (63.60 to 64.60): VN062145.D (-107) (-)

2.16

15000

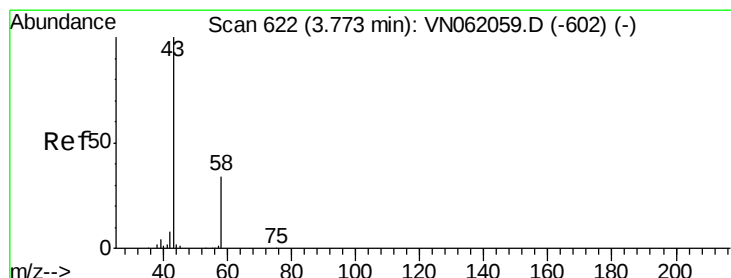
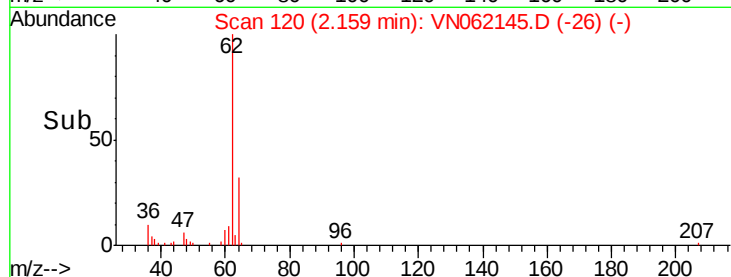
10000

5000

0

Time-->

2.10 2.15 2.20



#16

Acetone

Concen: 3.472 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN062145.D

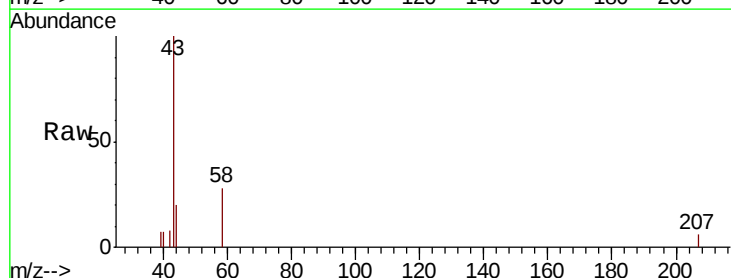
Acq: 26 Jun 2020 17:26

Tgt Ion: 43 Resp: 7147

Ion Ratio Lower Upper

43 100

58 28.3 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VN062145.D (-602) (-)

Ion 58.00 (57.70 to 58.70): VN062145.D (-602) (-)

3.78

3000

2500

2000

1500

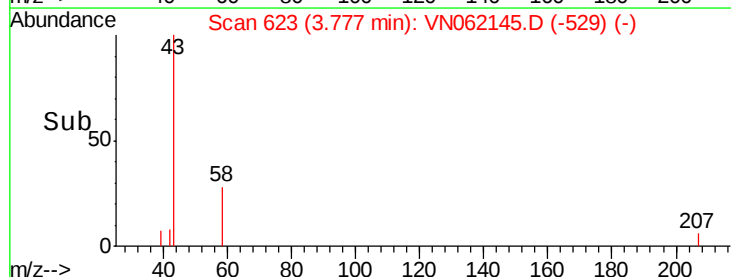
1000

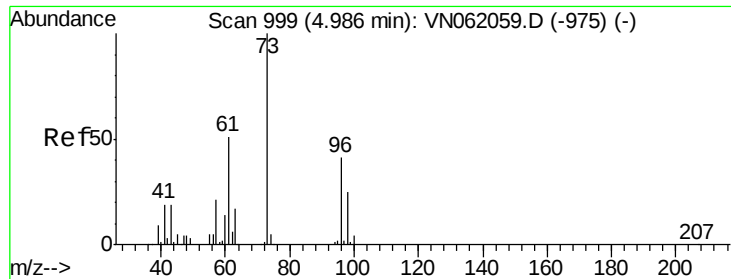
500

0

Time-->

3.70 3.75 3.80





#21

trans-1,2-Dichloroethene

Concen: 0.275 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.01 min

Lab File: VN062145.D

Acq: 26 Jun 2020 17:26

Instrument :

MSVOA_N

ClientSampleId :

RB03-20200625

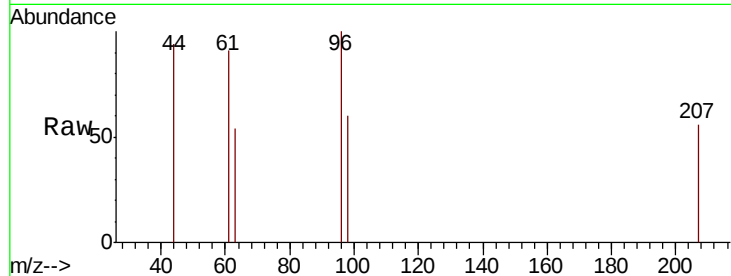
Tot Ion: 96 Resp: 783

Ion Ratio Lower Upper

96 100

61 90.7 101.4 152.2#

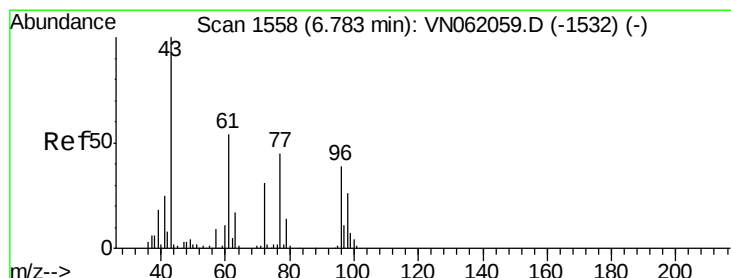
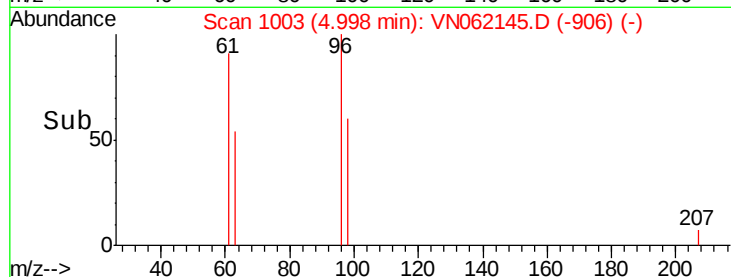
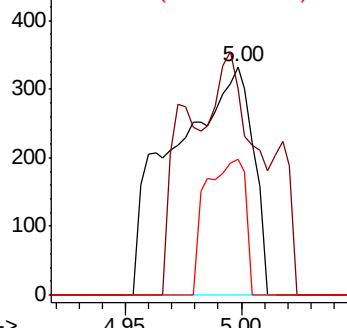
98 59.6 49.3 73.9



Abundance Ion 95.90 (95.60 to 96.60): VN062145.D (-975) (-)

Ion 60.90 (60.60 to 61.60): VN062145.D (-975) (-)

Ion 97.90 (97.60 to 98.60): VN062145.D (-975) (-)



#25

2-Butanone

Concen: 0.899 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.01 min

Lab File: VN062145.D

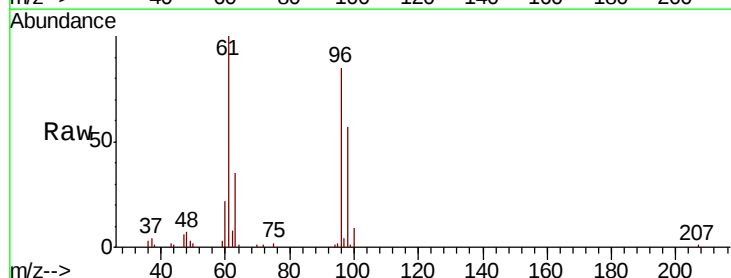
Acq: 26 Jun 2020 17:26

Tgt Ion: 43 Resp: 1340

Ion Ratio Lower Upper

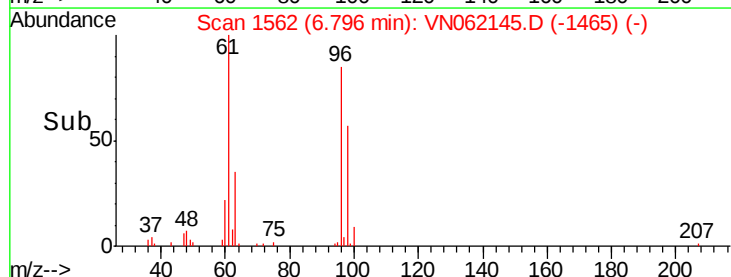
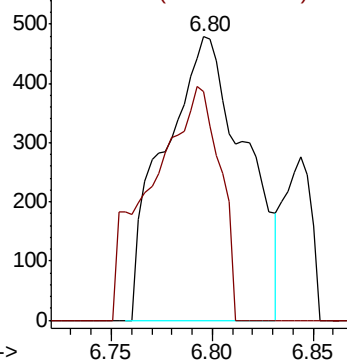
43 100

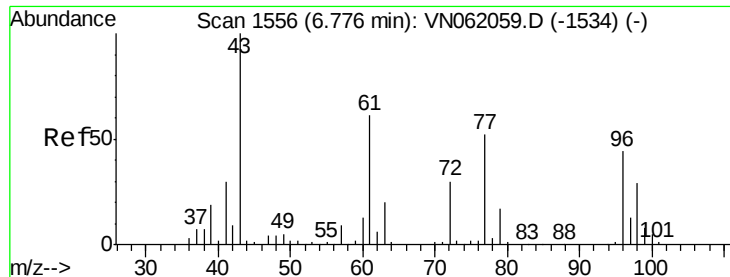
72 80.8 24.8 37.2#



Abundance Ion 43.00 (42.70 to 43.70): VN062145.D (-1532) (-)

Ion 72.00 (71.70 to 72.70): VN062145.D (-1532) (-)





#27

cis-1,2-Dichloroethene

Concen: 29.387 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.01 min

Lab File: VN062145.D

Acq: 26 Jun 2020 17:26

Instrument :

MSVOA_N

ClientSampleId :

RB03-20200625

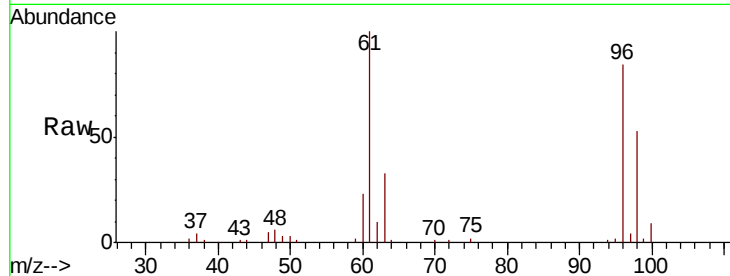
Tot Ion: 96 Resp: 93997

Ion Ratio Lower Upper

96 100

61 118.6 0.0 280.4

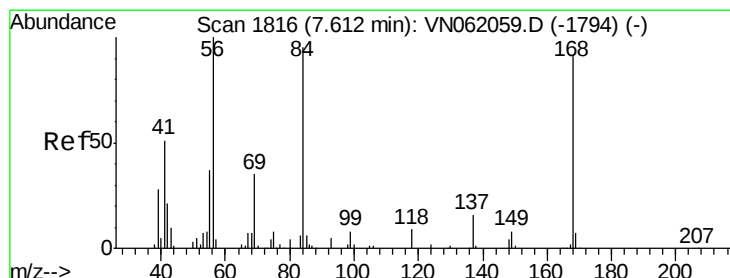
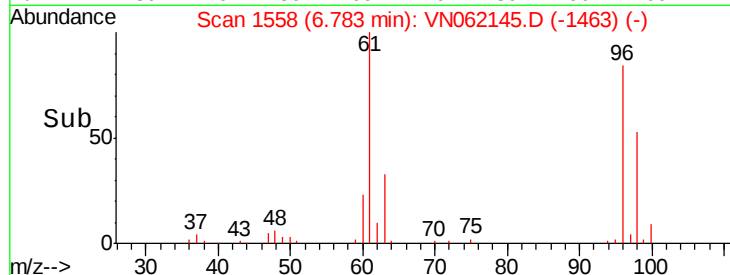
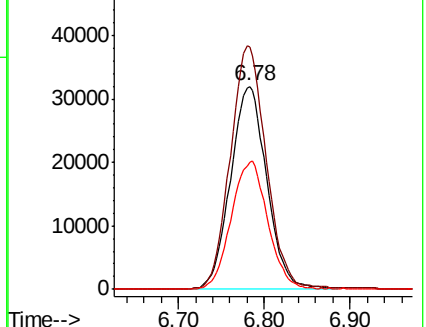
98 63.5 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VN062145.D (-1463) (-)

Ion 60.90 (60.60 to 61.60): VN062145.D (-1463) (-)

Ion 97.90 (97.60 to 98.60): VN062145.D (-1463) (-)



#31

Cyclohexane

Concen: 1.130 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.02 min

Lab File: VN062145.D

Acq: 26 Jun 2020 17:26

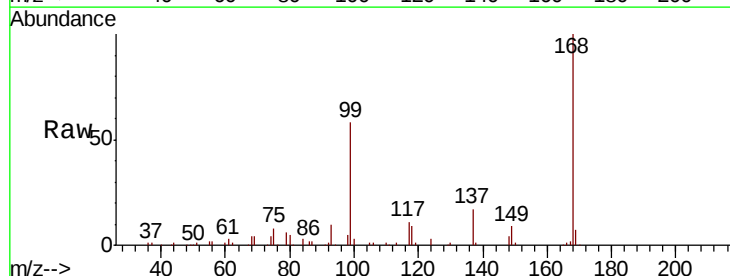
Tgt Ion: 56 Resp: 4762

Ion Ratio Lower Upper

56 100

69 154.4 28.0 42.0#

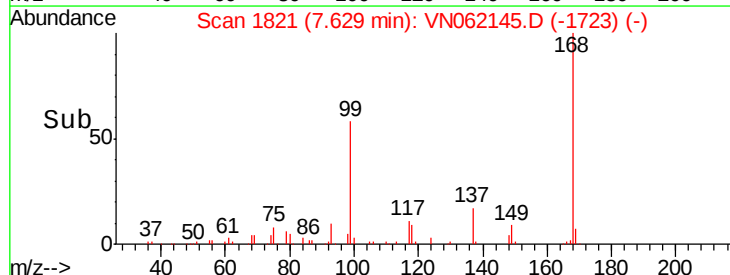
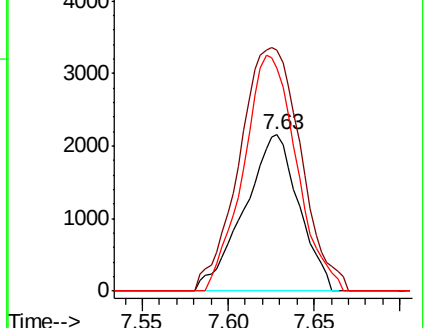
84 142.6 76.1 114.1#

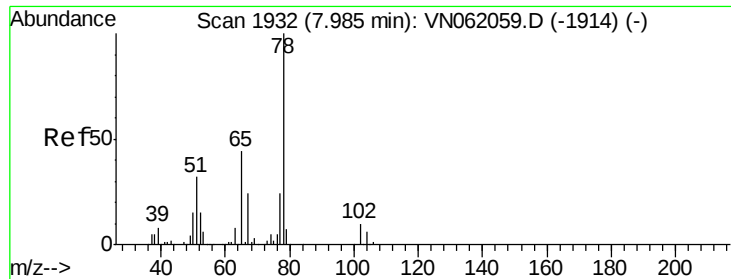


Abundance Ion 56.00 (55.70 to 56.70): VN062145.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN062145.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN062145.D (-1723) (-)

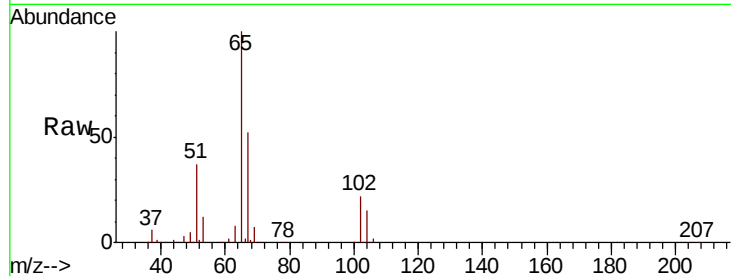




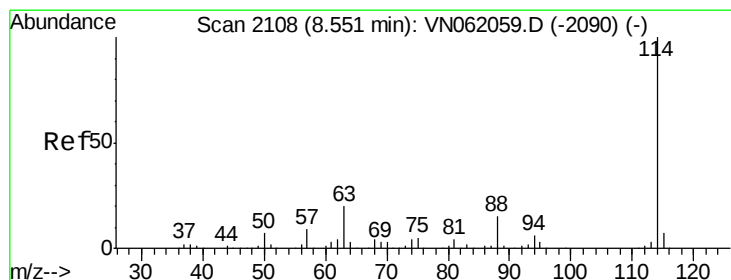
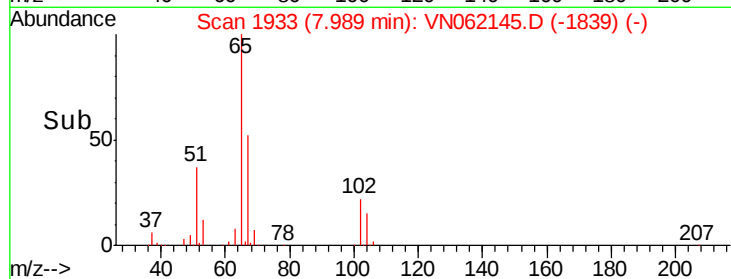
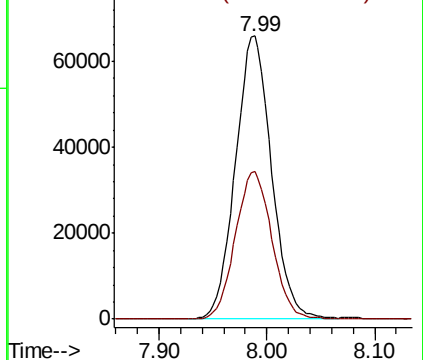
#33
 1,2-Dichloroethane-d4
 Concen: 50.124 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062145.D
 Acq: 26 Jun 2020 17:26

Instrument :
 MSVOA_N
 ClientSampleId :
 RB03-20200625

Tot Ion: 65 Resp: 152854
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 106.2

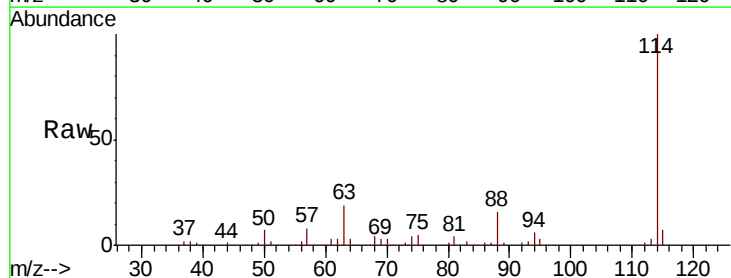


Abundance Ion 64.90 (64.60 to 65.60): VN0
 Ion 66.90 (66.60 to 67.60): VN0

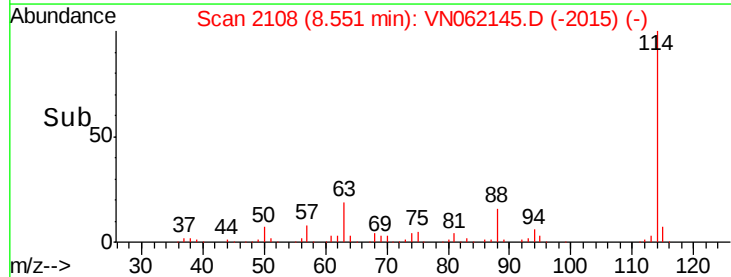
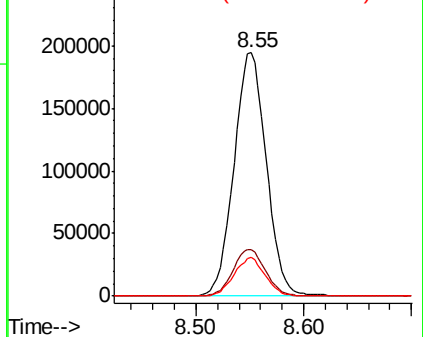


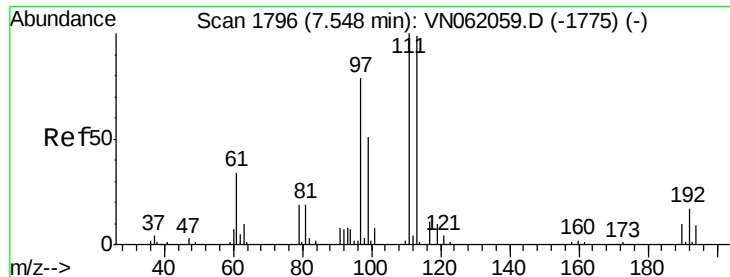
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062145.D
 Acq: 26 Jun 2020 17:26

Tgt Ion: 114 Resp: 406433
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.2
 88 15.9 0.0 30.8



Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN0
 Ion 87.90 (87.60 to 88.60): VN0

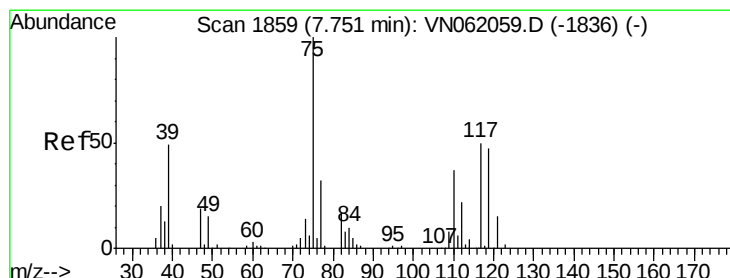
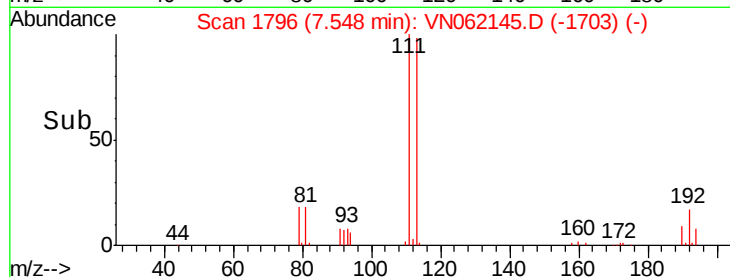
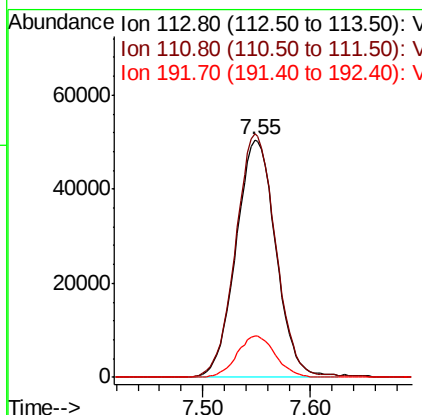
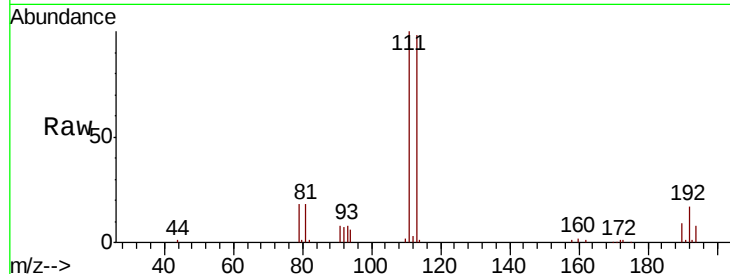




#35
 Dibromofluoromethane
 Concen: 49.738 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062145.D
 Acq: 26 Jun 2020 17:26

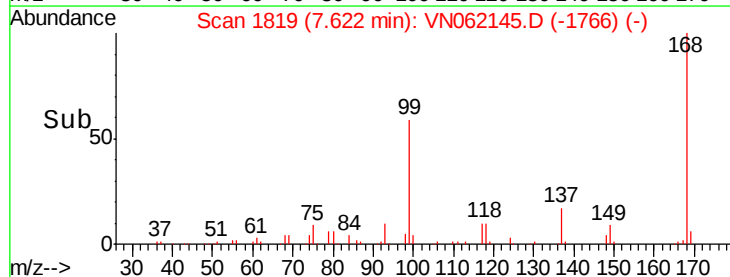
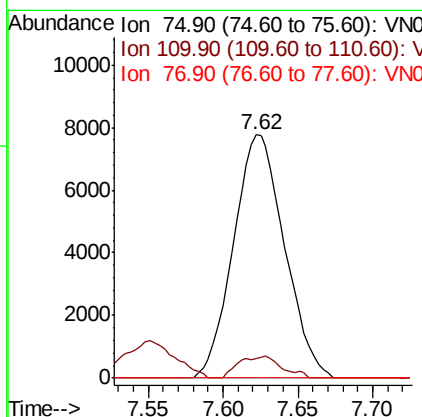
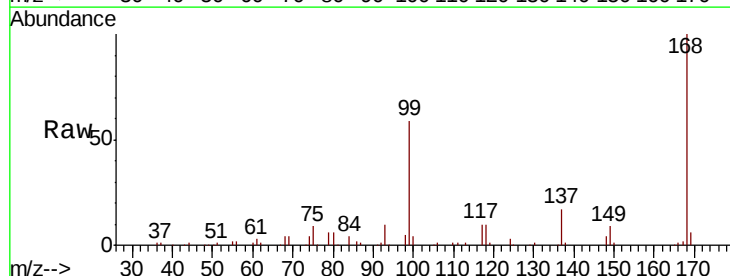
Instrument :
 MSVOA_N
 ClientSampleId :
 RB03-20200625

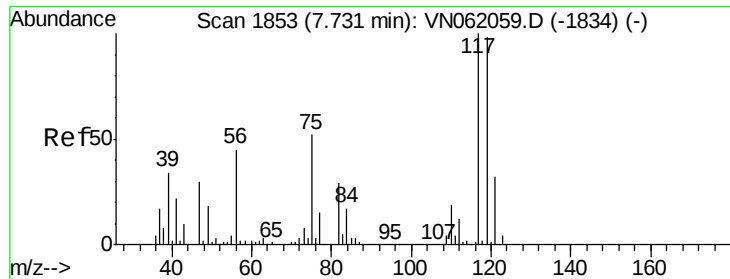
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.2	123.4
192	16.9	14.0	21.0



#36
 1,1-Dichloropropene
 Concen: 4.509 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN062145.D
 Acq: 26 Jun 2020 17:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.6	17.9	53.8#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 5.694 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062145.D

Acq: 26 Jun 2020 17:26

Instrument :

MSVOA_N

ClientSampleId :

RB03-20200625

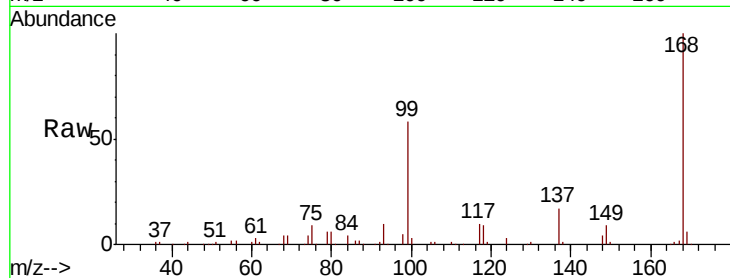
Tot Ion:117 Resp: 21929

Ion Ratio Lower Upper

117 100

119 5.2 78.2 117.2#

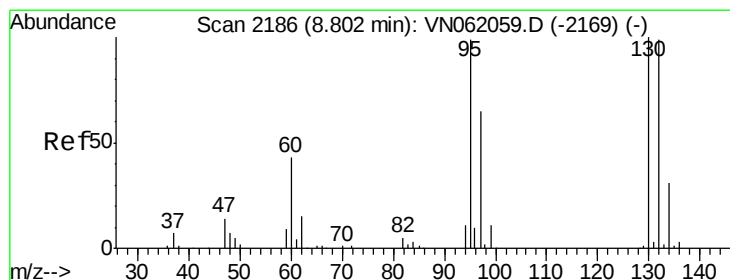
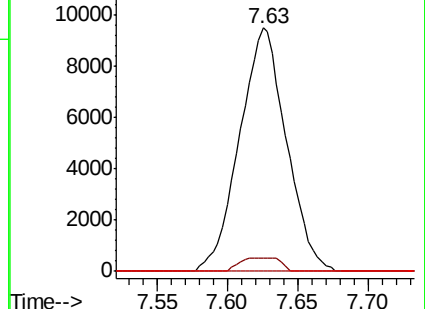
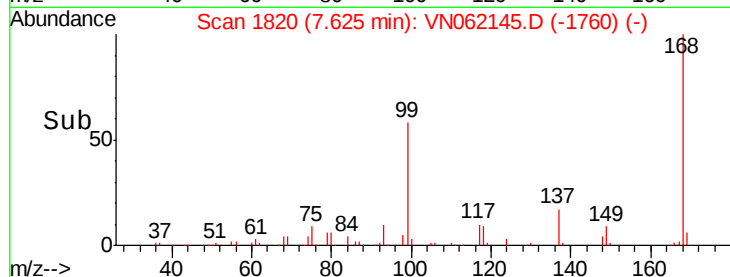
121 0.0 25.8 38.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 14.551 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN062145.D

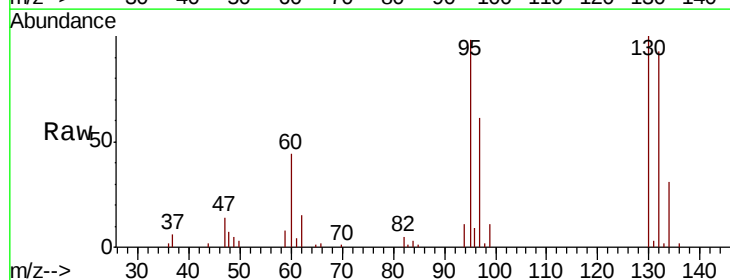
Acq: 26 Jun 2020 17:26

Tgt Ion:130 Resp: 45704

Ion Ratio Lower Upper

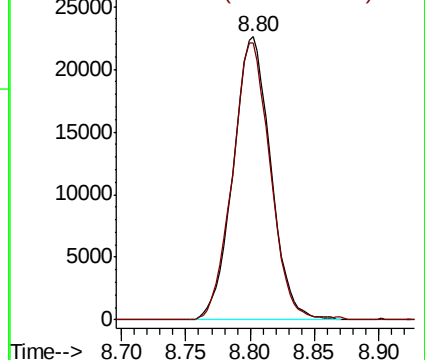
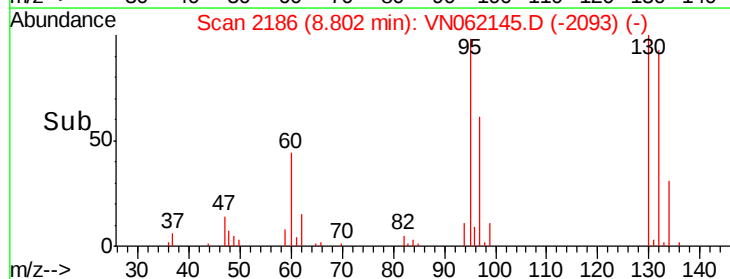
130 100

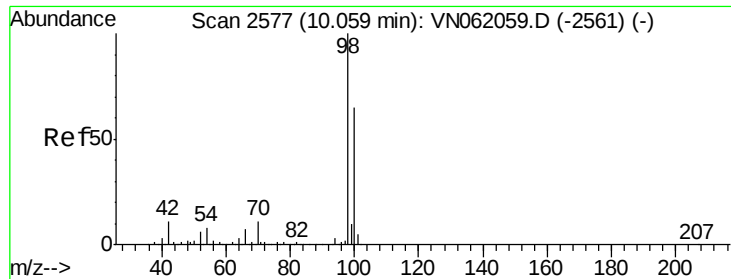
95 97.7 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 48.851 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062145.D

Acq: 26 Jun 2020 17:26

Instrument :

MSVOA_N

ClientSampleId :

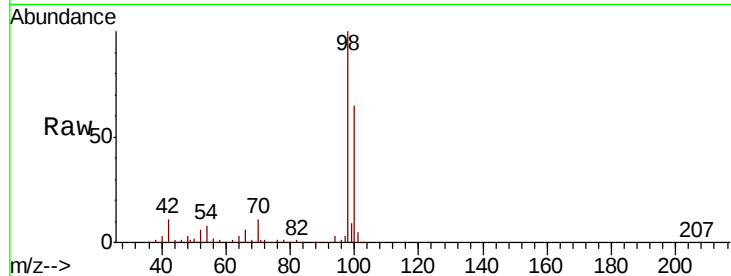
RB03-20200625

Tot Ion: 98 Resp: 509170

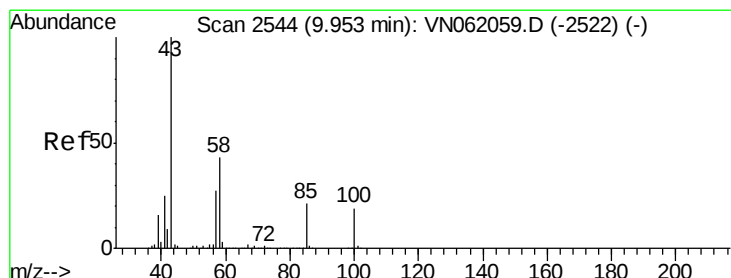
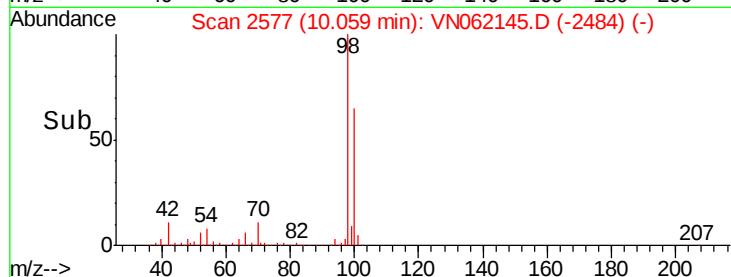
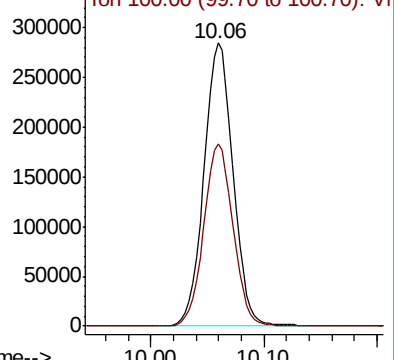
Ion Ratio Lower Upper

98 100

100 64.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN062145.D (-2484) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.734 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.11 min

Lab File: VN062145.D

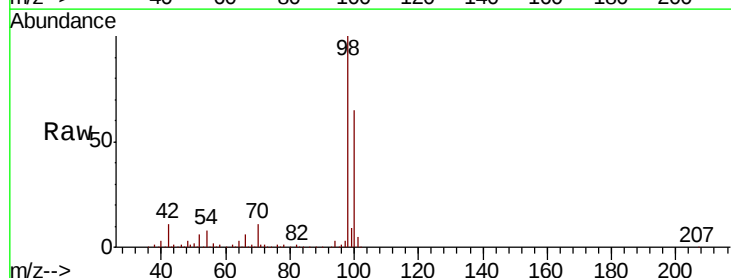
Acq: 26 Jun 2020 17:26

Tgt Ion: 43 Resp: 2365

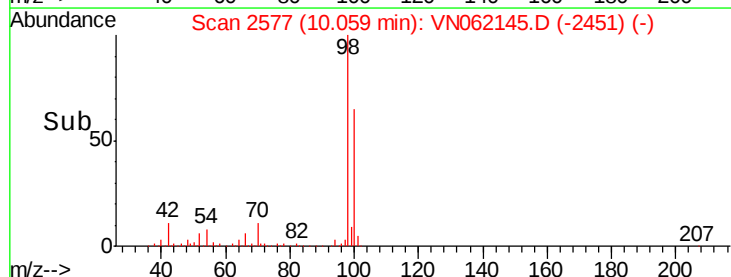
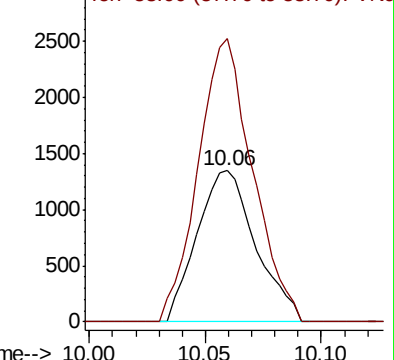
Ion Ratio Lower Upper

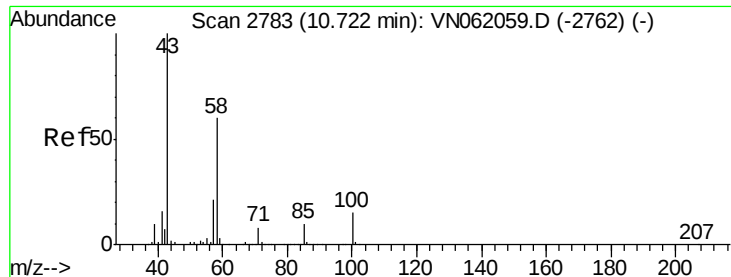
43 100

58 173.7 34.2 51.2#



Abundance Ion 43.00 (42.70 to 43.70): VN062145.D (-2451) (-)

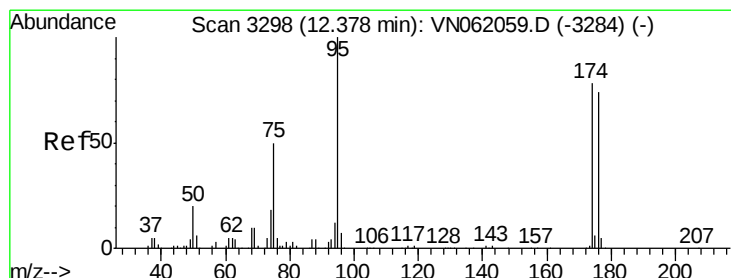
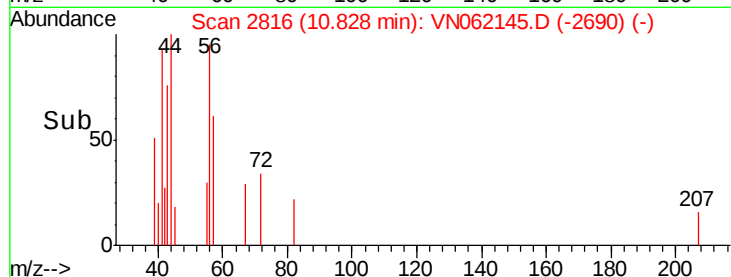
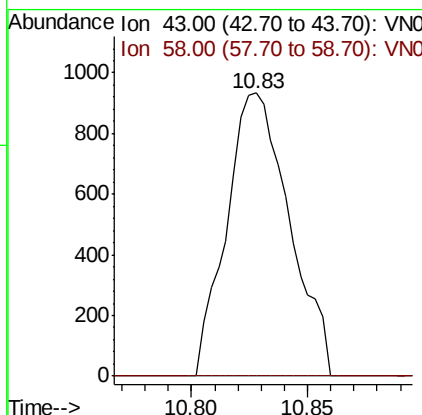
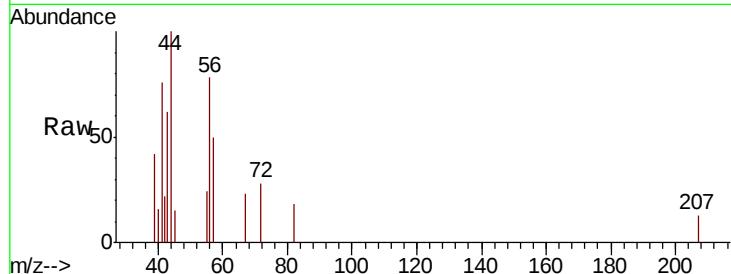




#59
2-Hexanone
Concen: 0.754 ug/l
RT: 10.83 min Scan# 2816
Delta R.T. 0.11 min
Lab File: VN062145.D
Acq: 26 Jun 2020 17:26

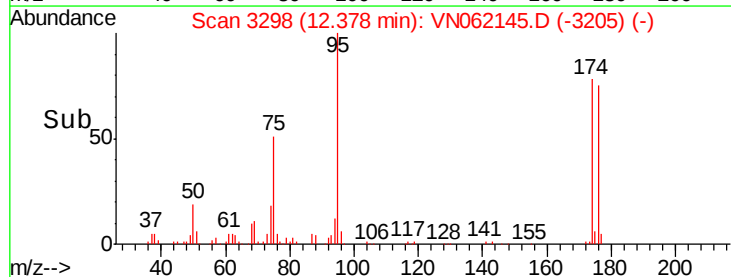
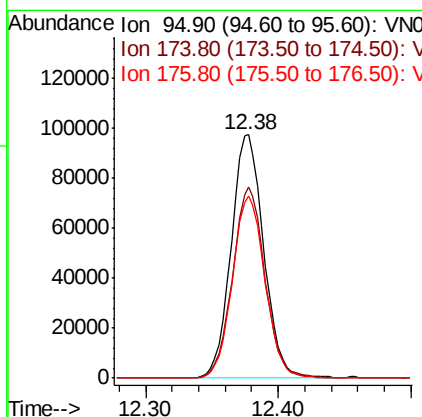
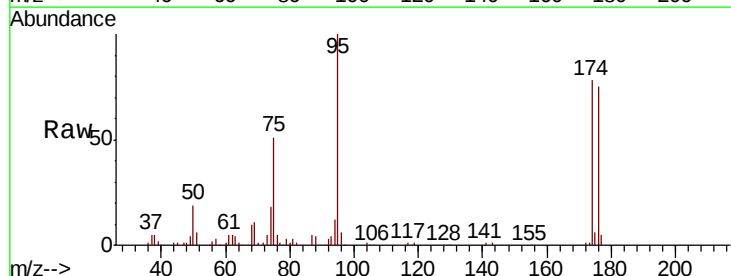
Instrument :
MSVOA_N
ClientSampleId :
RB03-20200625

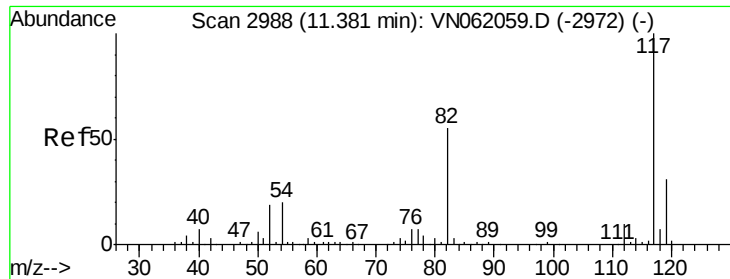
Tot Ion: 43 Resp: 1754
Ion Ratio Lower Upper
43 100
58 0.0 29.5 88.5#



#62
4-Bromofluorobenzene
Concen: 47.099 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062145.D
Acq: 26 Jun 2020 17:26

Tgt Ion: 95 Resp: 165857
Ion Ratio Lower Upper
95 100
174 78.3 0.0 154.8
176 74.9 0.0 147.4

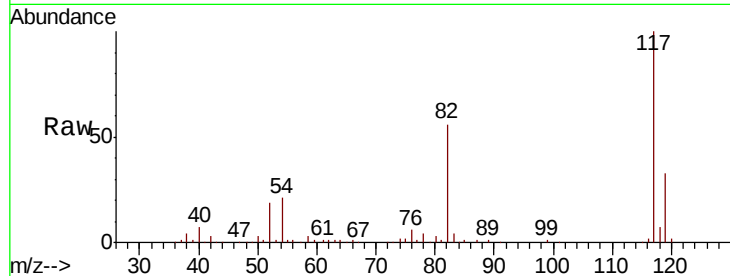




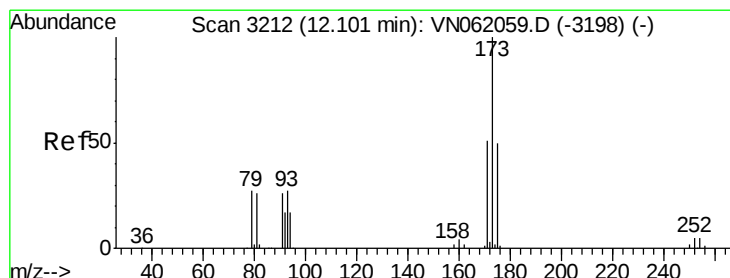
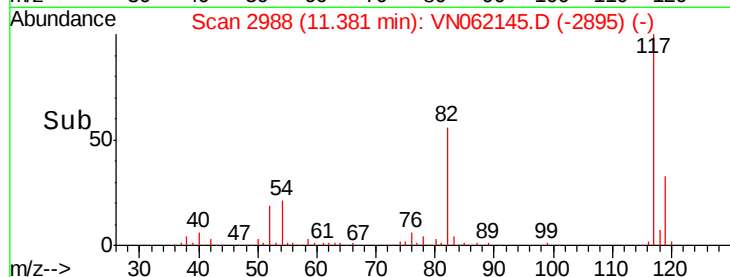
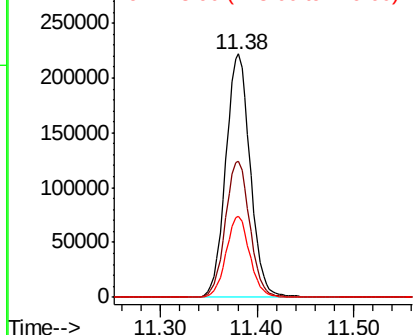
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062145.D
Acq: 26 Jun 2020 17:26

Instrument :
MSVOA_N
ClientSampleId :
RB03-20200625

Tot Ion:117 Resp: 389503
Ion Ratio Lower Upper
117 100
82 56.1 43.8 65.8
119 33.4 25.2 37.8

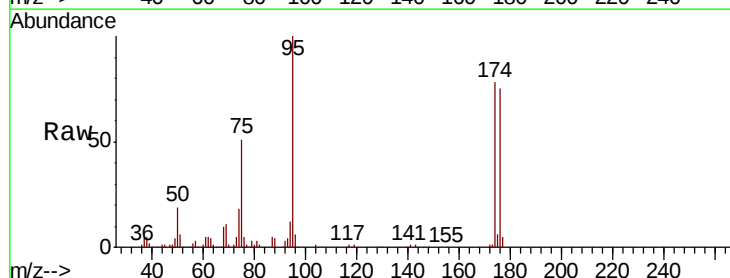


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

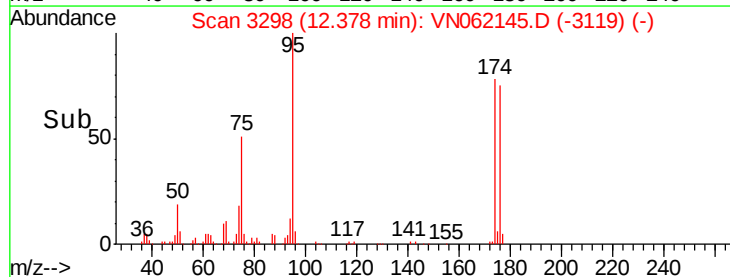
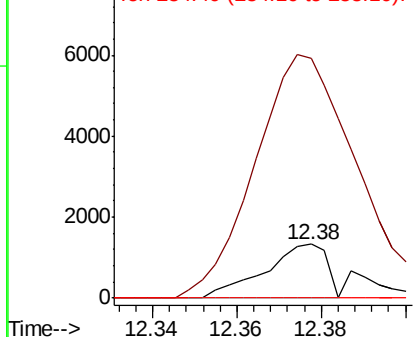


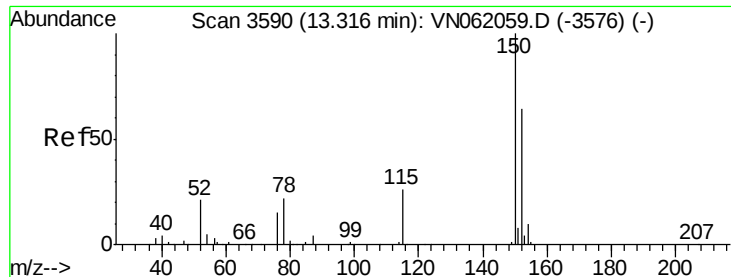
#71
Bromoform
Concen: 0.642 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN062145.D
Acq: 26 Jun 2020 17:26

Tgt Ion:173 Resp: 1351
Ion Ratio Lower Upper
173 100
175 629.6 24.7 74.1#
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062145.D

Acq: 26 Jun 2020 17:26

Instrument :

MSVOA_N

ClientSampleId :

RB03-20200625

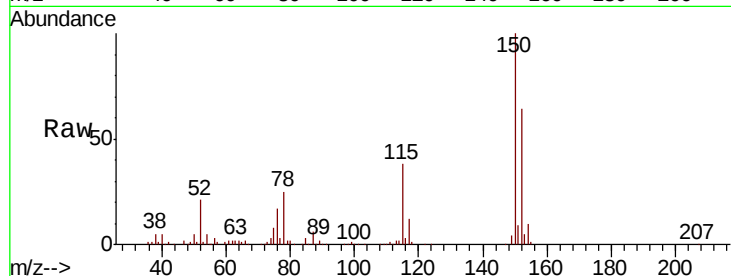
Tot Ion:152 Resp: 145205

Ion Ratio Lower Upper

152 100

115 59.0 29.5 88.5

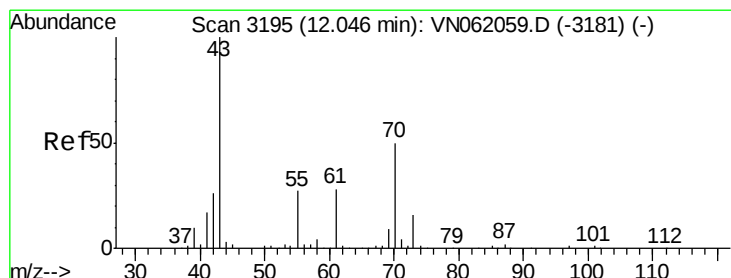
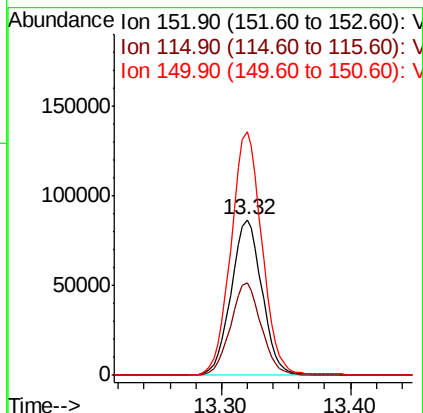
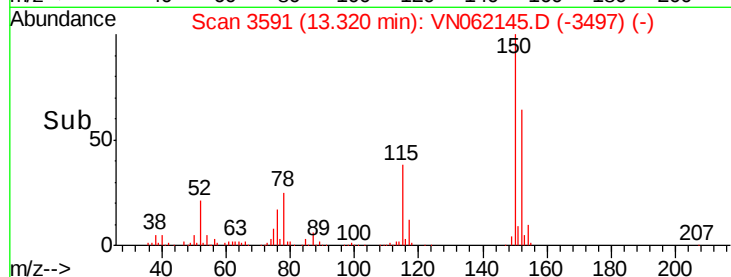
150 157.1 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 3.358 ug/l

RT: 12.00 min Scan# 3180

Delta R.T. -0.05 min

Lab File: VN062145.D

Acq: 26 Jun 2020 17:26

Tgt Ion: 43 Resp: 65

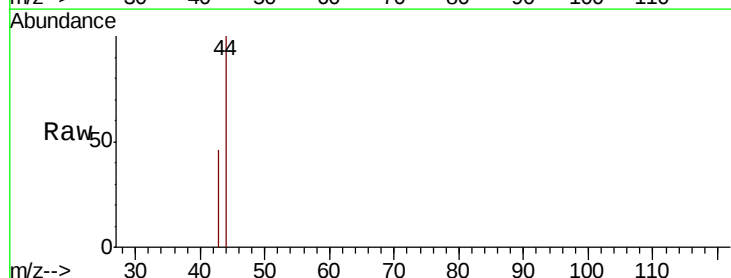
Ion Ratio Lower Upper

43 100

70 0.0 39.4 59.2#

55 0.0 21.7 32.5#

61 0.0 21.3 31.9#

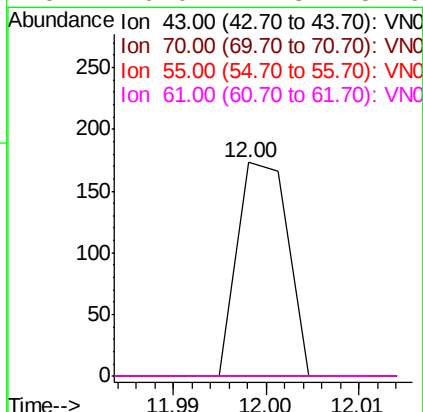
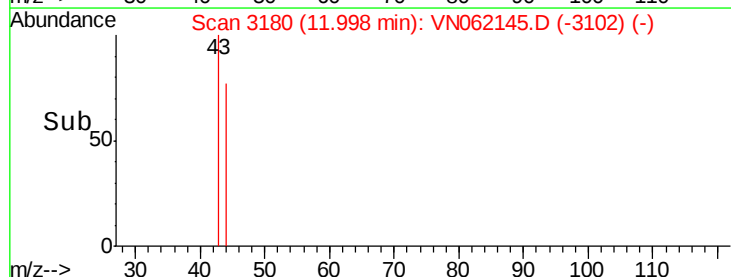


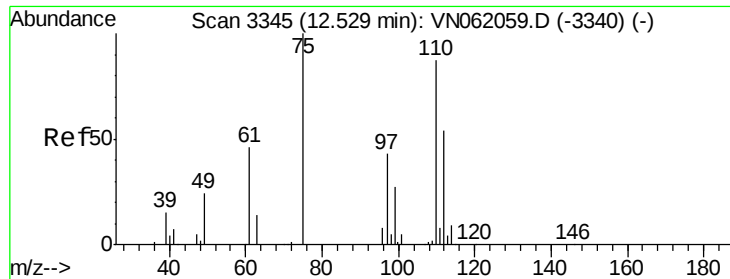
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 24.804 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062145.D

Acq: 26 Jun 2020 17:26

Instrument :

MSVOA_N

ClientSampleId :

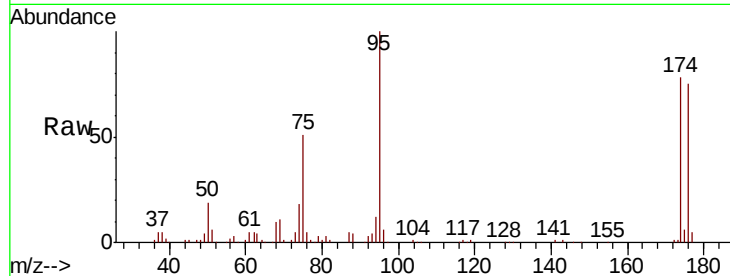
RB03-20200625

Tot Ion: 75 Resp: 84786

Ion Ratio Lower Upper

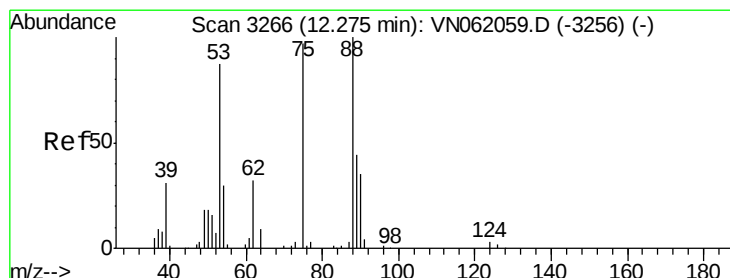
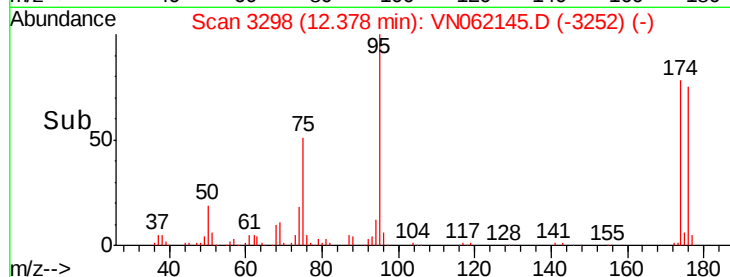
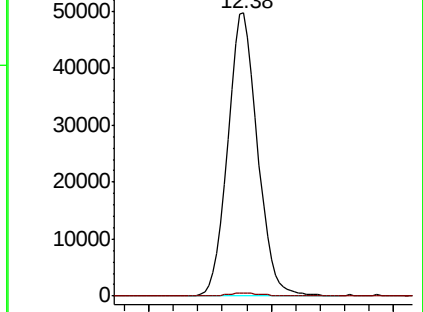
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN062145.D (-3298) (-)

Ion 77.00 (76.70 to 77.70): VN062145.D (-3298) (-)



#81

trans-1,4-Dichloro-2-butene

Concen: 72.437 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062145.D

Acq: 26 Jun 2020 17:26

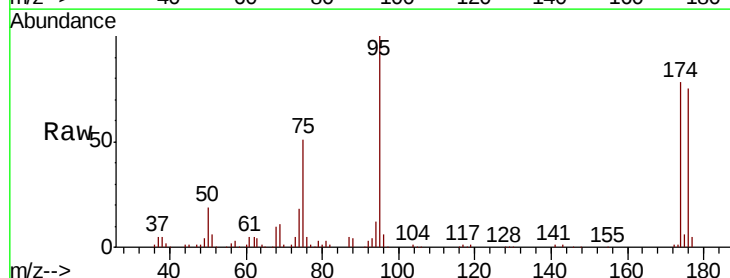
Tgt Ion: 75 Resp: 84786

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN062145.D (-3298) (-)

Ion 53.00 (52.70 to 53.70): VN062145.D (-3298) (-)

Ion 88.90 (88.60 to 89.60): VN062145.D (-3298) (-)

